| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|
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| Application/Control No. | App | licat | ion | Contro | l No. |
|-------------------------|-----|-------|-----|--------|-------|
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10/699,386

Examiner

Curtis B. Odom

Applicant(s)/Patent under Reexamination

BORRAN ET AL.

Art Unit

2634

√ Rejected
= Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |          |  |          |           |          |              |                 |          |                 |          |            |          |                  |          |              |                 |                 |                   |          |          | _        |            |             |         |              |          |  |                |                    |   |
|----------|----------|--|----------|-----------|----------|--------------|-----------------|----------|-----------------|----------|------------|----------|------------------|----------|--------------|-----------------|-----------------|-------------------|----------|----------|----------|------------|-------------|---------|--------------|----------|--|----------------|--------------------|---|
| Cla      | aim      |  |          |           | _ C      | ate          | ;               |          |                 |          | Claim Date |          |                  |          |              |                 |                 |                   | ]        | CI       | aim      | Date       |             |         |              |          |  |                |                    |   |
| Final    | Original | 11/11/02                                     | •        |           |          |              |                 |          |                 |          | Final      | Original |                  |          |              |                 |                 |                   |          |          | Final    | Original   |             |         |              |          |  |                |                    |   |
|          | 1        | V  | $\neg$   | _         | 1        | 一            | 寸               | 一        |                 |          |            | 51       |                  | $\top$   | 十            | T               |                 |                   |          |          |          | 101        |             |         |              |          |  |                |                    |   |
|          | 2        | V,   | ┪        | $\dashv$  | ┪        | $\neg$       | 寸               | ᄀ        | T               | 7        |            | 52       |                  |          | 1            |                 |                 |                   |          |          |          | 102        |             |         |              |          |  |                | I                  |   |
|          | 3        | 7  |          |           |          |              |                 |          |                 |          |            | 53       |                  |          | $oxed{oxed}$ |                 |                 |                   |          |          |          | 103        |             |         |              |          |  |                |                    |   |
|          | 4        | V  |          |           |          |              |                 |          |                 |          |            | 54       |                  |          |              |                 |                 |                   |          | _]       |          | 104        |             |         |              |          |  | _              |                    |   |
|          | 5        | 7  |          |           |          |              |                 |          |                 |          |            | 55       |                  |          |              |                 |                 |                   |          | _        |          | 105        |             | _       |              |          |  |                | $\dashv$           |   |
|          | 6        | ~  | $\perp$  |           | _        |              | _               | _        | _               |          |            | 56       |                  | $\perp$  | -            | $oxed{igspace}$ |                 | $\perp$           |          | 4        |          | 106        |             |         |              |          | _  |                | _                  |   |
|          | 7        | <u>                                     </u> | _        | _         |          | $\Box$       | _               | _        | $\perp$         | _        |            | 57       |                  | 4        | _            | ↓_              | $\dashv$        | $\perp$           | _        | 4        | <u> </u> | 107        | -           | _       | 1            |          |  |                |                    | _ |
|          | 8        | <b>/</b> /                                   | _        | 4         | _        |              | _               | _        | _               | _        |            | 58       | <del>     </del> | 4        | _            | <u> </u>        |                 |                   | -        | 4        | <u> </u> | 108        | _           | +       | -            |          | $\dashv$   | -              | $\dashv$           | _ |
| <u> </u> | 9        | 13   | 4        |           | _        |              | $\dashv$        | $\dashv$ | _               |          |            | 59       |                  | -        | -            | ┼               | $\vdash$        |                   | - -      | 4        |          | 109        |             | -       | -            |          | $\vdash$   | $\dashv$       | $\dashv$           | _ |
|          | 10       |  | _        | $\dashv$  |          | -            |                 | -        | -               |          |            | 60       | $\vdash$         |          |              | +               | $\square$       | $\dashv$          |          | _        | -        | 110        |             | -       | ├            | $\vdash$ | $\vdash$   | $\dashv$       | $\dashv$           |   |
|          | 11       | <b>/</b>                                     |          | $\dashv$  |          |              | $\dashv$        | $\dashv$ | -               |          |            | 61<br>62 | -                |          |              | ╁               | Н               | +                 | - -      | $\dashv$ | -        | 112        |             | +       | $\vdash$     |          | $\vdash$   | $\dashv$       |                    | _ |
|          | 12       | -  |          | -         | $\dashv$ |              |                 |          | $\dashv$        |          | -          | 63       | -                | +        | +            | ╁               |                 | -+                | +        | +        |          | 113        |             | ╁       |              |          | H  |                | $\dashv$           | _ |
|          | 14       | 17 (1  | +        | $\dashv$  | $\dashv$ |              | $\dashv$        |          | $\dashv$        | $\dashv$ | -          | 64       |                  | +        | +            | +               |                 | $\dashv$          | +        | ┨ .      |          | 114        | +           | +       |              | -        |  | $\dashv$       | +                  | _ |
|          | 15       | 5  | $\dashv$ | +         | $\dashv$ |              |                 | $\dashv$ | $\dashv$        | $\dashv$ | -          | 65       | Ħ                | $\top$   |              | ┪┈              |                 | 1                 | $\top$   | 1        |          | 115        | $\neg$      | ╅       | †            | $\vdash$ |  |                | 十                  | _ |
|          | 16       | J  | +        | T         | $\dashv$ |              | _               |          | 寸               | _        |            | 66       |                  | 1        |              | 1               | H               | T                 | $\top$   | 7        |          | 116        |             | _       | $\top$       |          |  |                | $\dashv$           | _ |
|          | 17       | =  | $\dashv$ | T         | ┪        |              |                 |          | 寸               | _        |            | 67       |                  |          |              | 1               | П               |                   |          | 7        |          | 117        | _ _         | 1       |              |          |  | T              |                    |   |
|          | 18       | 3  | 寸        | $\dashv$  |          |              |                 |          | 寸               |          |            | 68       |                  |          | $\top$       |                 | П               |                   | $\neg$   | 7        |          | 118        |             |         |              |          |  |                |                    |   |
|          | 19       | 2  | $\dashv$ | 寸         |          |              |                 |          |                 |          |            | 69       | П                |          | $\top$       |                 |                 |                   |          |          |          | 119        |             |         |              |          |  |                |                    |   |
|          | 20       | ~  |          |           |          |              |                 |          |                 |          |            | 70       |                  |          |              |                 |                 |                   |          |          |          | 120        |             |         |              |          |  |                |                    |   |
|          | 21       | =  |          |           |          |              |                 |          |                 |          |            | 71       |                  |          |              |                 |                 |                   |          | ╛        |          | 121        |             | $\perp$ | <u> </u>     |          |  |                |                    |   |
|          | 22       | =  |          |           | _        |              |                 | _        |                 | _        |            | 72       |                  | 4        | _            | $\perp$         | Щ               | _1                | _        | 4        |          | 122        |             | $\perp$ | <u> </u>     |          |  |                |                    | _ |
|          | 23       | z  |          |           | _        |              |                 |          | _               |          |            | 73       |                  | $\perp$  |              | 1               |                 | _                 |          | 4        |          | 123        |             |         | ļ            | L        | Ш  | _              | _                  | _ |
|          | 24       | 5  | _        | _         | _        |              |                 |          |                 | _        |            | 74       | <b>-</b>         | +        |              | +               |                 | 4                 | -        | _        |          | 124        |             | -       |              | L        | Н  | -              | -                  | _ |
|          | 25       | Y  | 4        | 4         | _        | Щ            |                 |          | _               | _        |            | 75       |                  | +        | _            | ـــــ           | $\square$       | $\vdash$          | -        | 4        |          | 125        |             |         | $\vdash$     |          | Н  |                |                    |   |
|          | 26       | $\vdash$                                     |          | 4         |          | Ш            |                 | _        | $\dashv$        |          | -          | 76       | $\vdash$         | +        | -            | ┿┈              | $\vdash$        | $\dashv$          | +        | -        |          | 126<br>127 |             |         | $\vdash$     |          | Н  |                | +                  | _ |
|          | 27       | $\vdash$                                     | $\dashv$ | -         | -        |              | $\vdash$        | _        |                 | $\dashv$ |            | 77<br>78 | -                | +        | - -          | ╁               | H               | $\dashv$          | +        | 4        | -        | 128        |             | ╁       | ╁            |          | Н  |                |                    | _ |
| -        | 28       |  | +        | +         | $\dashv$ | Н            | $\dashv$        | -        |                 | $\dashv$ | -          | 79       | ╁┼               | +        | - -          | +               | Н               |                   |          | $\dashv$ |          | 129        |             | +       | 1            | -        | $\vdash$   | -              | $\dashv$           | _ |
|          | 29<br>30 | $\vdash$                                     | +        | -         | $\dashv$ | Н            | $\dashv$        | -        |                 | $\dashv$ |            | 80       | H                | +        | +-           | +               | Н               | -                 | +        | -        | <b>-</b> | 130        | -           | +       | +            | $\vdash$ |  | -              | $\dashv$           | _ |
|          | 31       | $\vdash$                                     | +        |           |          |              | -               | -        | $\dashv$        | $\dashv$ |            | 81       | H                |          | +            | ╁               | Н               | -                 |          | $\dashv$ | $\vdash$ | 131        |             | ╁       | +            | -        | Н  |                | $\dashv$           | _ |
|          | 32       | $\vdash$                                     | -+       | $\dashv$  | -        |              | $\vdash$        |          | -               | $\dashv$ |            | 82       | 1                | _        | ╅            | +               |                 |                   | +        | 7        |          | 132        | -           | ┪       | $\vdash$     |          | Н  |                | ヿ                  | _ |
|          | 33       | +  | _        | 十         | _        |              | $\Box$          |          |                 | $\dashv$ |            | 83       | H                | $\top$   | $\top$       | †               |                 |                   | _        | 7        |          | 133        | _           | T       | T            |          | П  |                | T                  |   |
|          | 34       | T  | $\dashv$ | _         | $\neg$   | П            | $\Box$          |          | $\dashv$        | $\neg$   |            | 84       |                  | 十        | +            | 1               | П               |                   | $\top$   | ]        |          | 134        |             | 1       |              | L        |  |                |                    | _ |
|          | 35       | $\sqcap$                                     | T        | 寸         |          |              | П               |          |                 | $\neg$   |            | 85       |                  | _[       |              |                 |                 |                   |          | ]        |          | 135        |             |         |              |          |  |                |                    |   |
|          | 36       | $\Box$                                       |          | $\exists$ |          |              |                 |          |                 |          |            | 86       |                  | $\Box$   | Ⅱ            | Ι               |                 |                   |          |          |          | 136        | $\Box \Box$ |         |              | 匚        |  |                | $oldsymbol{\perp}$ | _ |
|          | 37       |  |          |           |          |              |                 |          |                 |          |            | 87       |                  | $\perp$  |              |                 | Ш               |                   |          |          |          | 137        |             |         |              | <u>_</u> |  | Ш              | $\perp$            |   |
|          | 38       | $\square$                                    | $\Box$   |           |          |              |                 |          |                 | $\Box$   |            | 88       | $oxed{\Box}$     | $\perp$  | $\bot$       |                 |                 | $\Box$            | $\perp$  | _        |          | 138        |             | $\perp$ | <del> </del> | <u> </u> | ļ  |                |                    |   |
|          | 39       |  | $\Box$   | _[        |          | $oxed{\Box}$ | Ш               |          | Ш               | _        |            | 89       | $\sqcup$         | _        | 丄            | 1_              | $\sqcup$        | $\sqcup$          | 4        | 4        |          | 139        | _           | _       | ↓_           | <u> </u> | Ш  |                | $\dashv$           |   |
|          | 40       | $\sqcup$                                     |          | _ļ        |          |              | Ш               |          | Ш               | _        | <u> </u>   | 90       | $\sqcup$         | $\perp$  | $\bot$       | _               | Ш               | $\sqcup$          | _ _      | 4        | <u></u>  | 140        | $\dashv$    | -       | ╄-           | $\vdash$ | $\vdash$   | Ш              | _                  | _ |
| L        | 41       | $\sqcup$                                     | _        | _         |          | _            | Ш               | _        | $\square$       | _        |            | 91       | $\vdash$         | $\perp$  | $\perp$      | 4               | $\vdash \vdash$ | $  \rightarrow  $ |          | 4        |          | 141        |             | +-      | +            | <u> </u> | $\vdash$   | H              | $\dashv$           | _ |
| L        | 42       | $\vdash$                                     |          | $\dashv$  | _        | L-           | $\square$       | _        | $\vdash \vdash$ | _        | <u> </u>   | 92       | $\vdash \vdash$  | +        | -            | +               | $\vdash$        |                   | +        | 4        | <b>├</b> | 142        |             | +       | ┼            | ┢        |  | Н              | $\dashv$           |   |
|          | 43       | $\vdash$                                     |          | _         | _        | -            | Ш               | <u> </u> | $\vdash \dashv$ | $\dashv$ | -          | 93       | ╁                | +        | +            | +-              | $\vdash$        |                   | +        | 4        | -        | 143        | +           | +       | -            | $\vdash$ | $\vdash$   | $\vdash$       | -+                 | _ |
|          | 44       | ╀┤   |          | -         | _        | H            | $\vdash$        |          | $\vdash$        | $\dashv$ |            | 94<br>95 | ╀┯┼              | -+       | +            | ╁               | $\vdash$        | $\vdash$          | +        | 4        | -        | 144<br>145 |             | +       | +            | $\vdash$ |  | $\vdash\vdash$ | $\dashv$           | _ |
| -        | 45<br>46 | +  |          | -         | _        | ├            | $\vdash$        | <u> </u> | $\vdash \vdash$ | $\dashv$ | -          | 96       | ╁┼               | -+       | +            | +-              | $\vdash$        | $\vdash$          | +        | ┥        | -        | 145        | -+          | +       | +-           | $\vdash$ | $\vdash$   | Н              | $\dashv$           | _ |
| -        | 46       | $\vdash$                                     | -+       |           |          | ├            |                 | $\vdash$ |                 | $\dashv$ |            | 97       | 1-               | +        | +            | +               | $\vdash$        | $\vdash$          | +        | $\dashv$ | $\vdash$ | 147        | -+          | +       | +            | ╁        | ╁  | $\vdash$       | $\dashv$           | _ |
| -        | 48       | ++   | $\dashv$ | -         |          | $\vdash$     | $\vdash \dashv$ | $\vdash$ | $\vdash$        | $\dashv$ | -          | 98       | +-+              | $\dashv$ | +            | +-              | $\vdash$        | $\vdash \vdash$   |          | $\dashv$ |          | 148        | $\dashv$    | +       | +            | $\vdash$ | Н  | H              | $\vdash$           | _ |
| -        | 49       | +  | $\dashv$ | $\dashv$  |          | $\vdash$     | $\vdash$        | $\vdash$ | $\vdash$        | $\dashv$ | -          | 99       | 1 +              | $\dashv$ | +            | +-              | Н               | $\vdash$          | $\dashv$ | ┪        | -        | 149        |             | +       | $\top$       | $\vdash$ | <del>                                     </del> | Н              | $\sqcap$           | _ |
|          | 50       | +  | _        | -         | _        |              | Н               |          | $\vdash \vdash$ | $\dashv$ |            | 100      | 1 1              | -        | +            | +               | П               |                   | $\top$   | ┪        |          | 150        | $\dashv$    | $\top$  | T            | Т        | П  |                | $\sqcap$           | _ |
|          |          |  |          |           |          |              |                 |          |                 |          |            |          |                  |          | 1            |                 |                 | 1                 |          | _        |          |            |             |         |              |          |  |                |                    |   |